

257

295

Whitehead

2813

FIG. 1

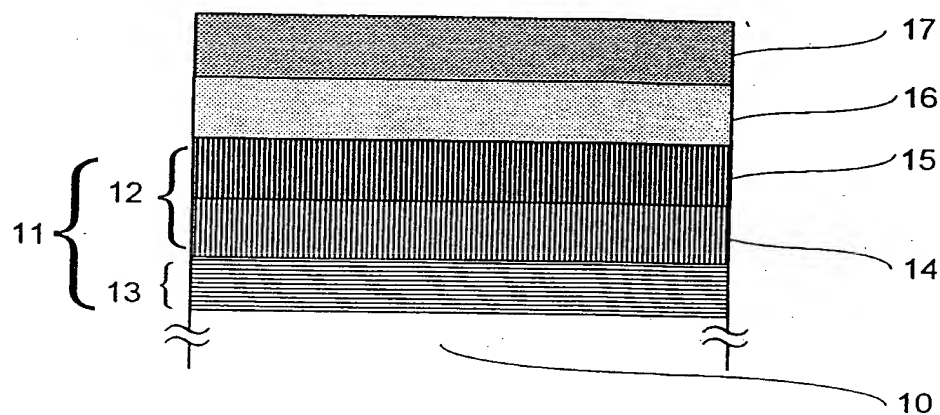


FIG. 2

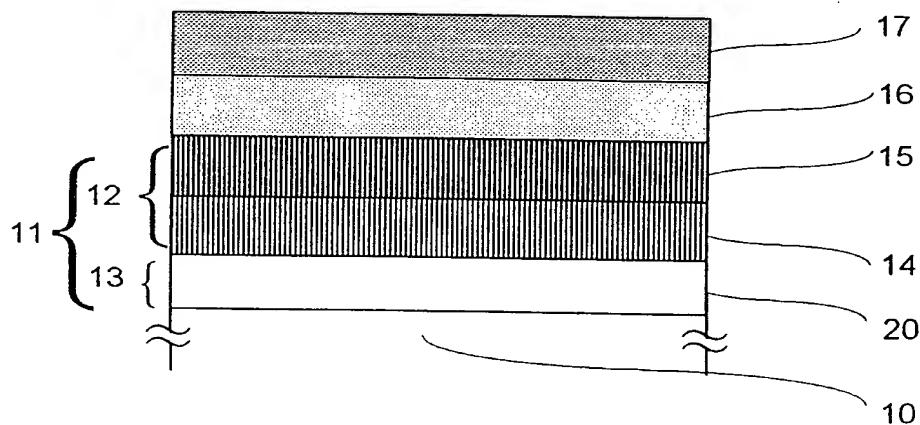


FIG. 3

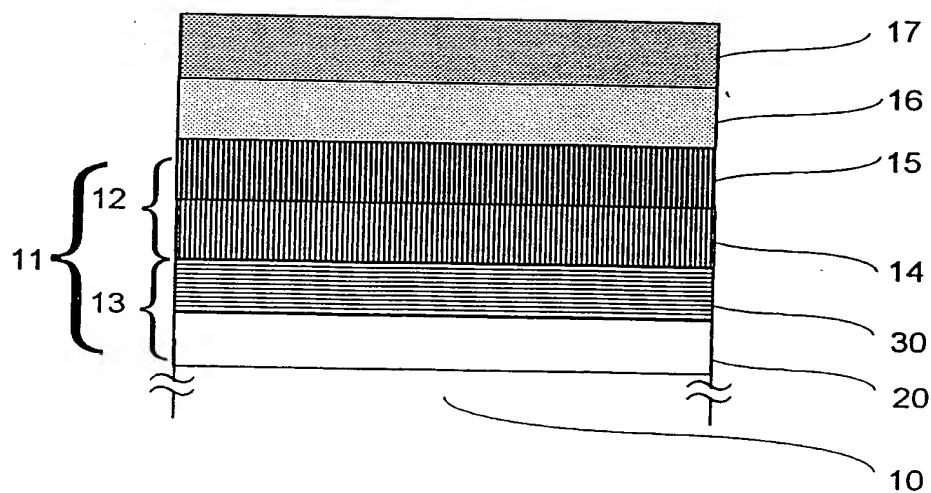


FIG. 4

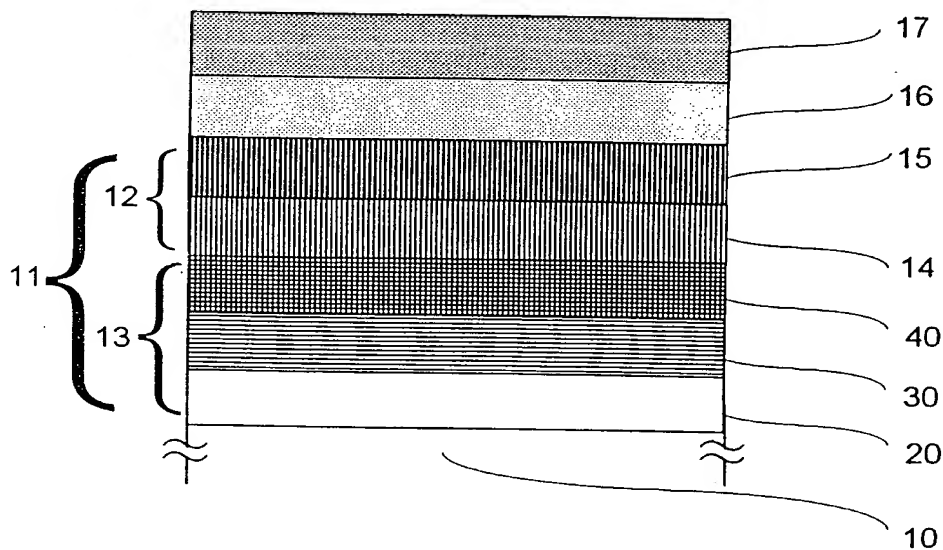


FIG. 5

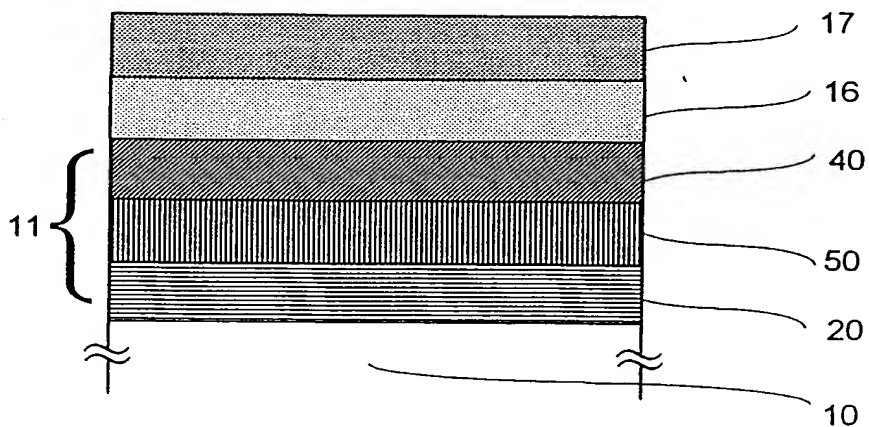
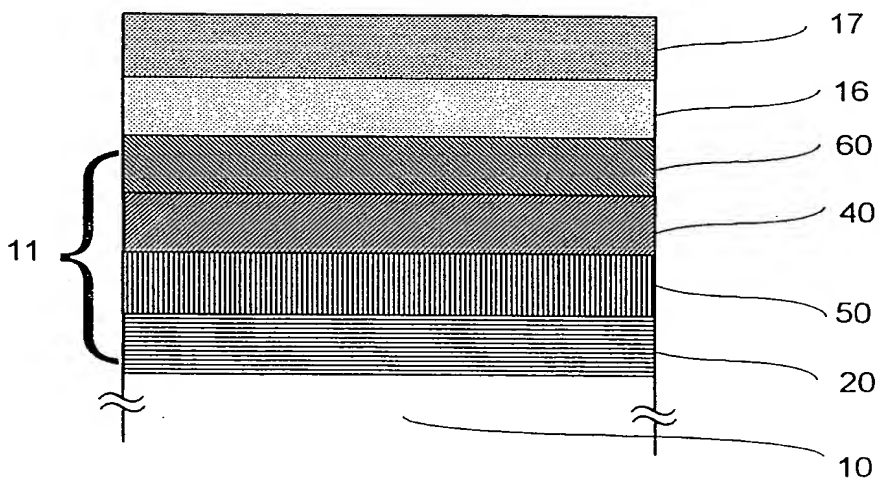


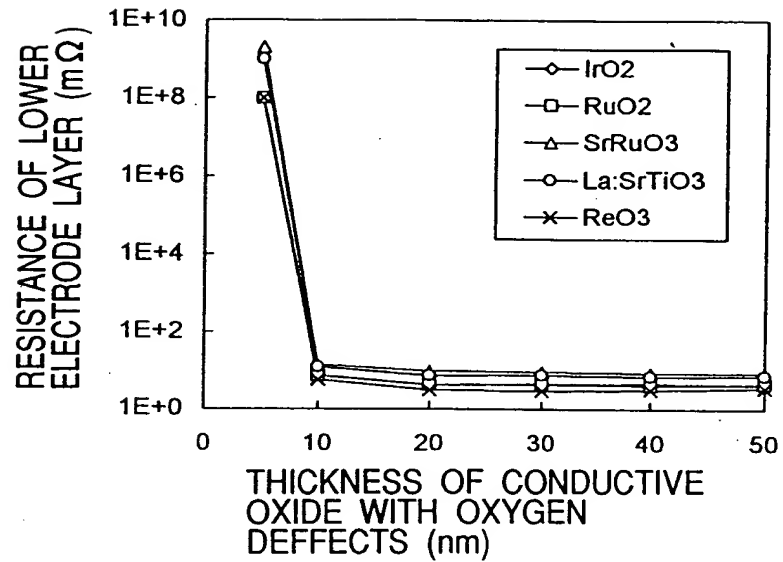
FIG. 6



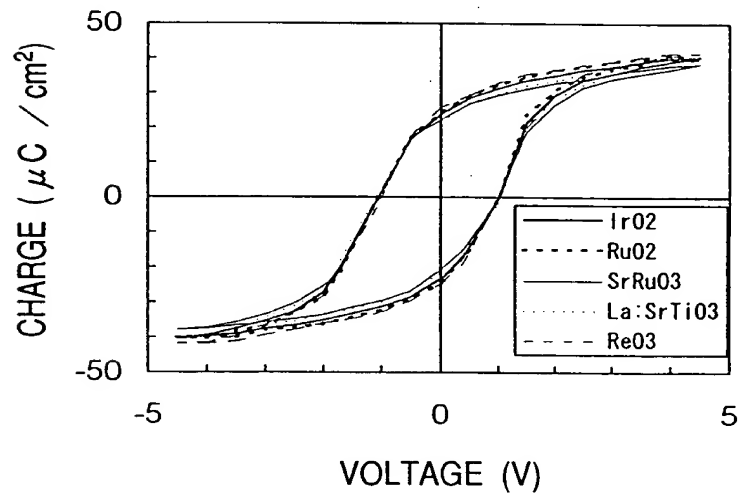
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FIG. 7

(a)

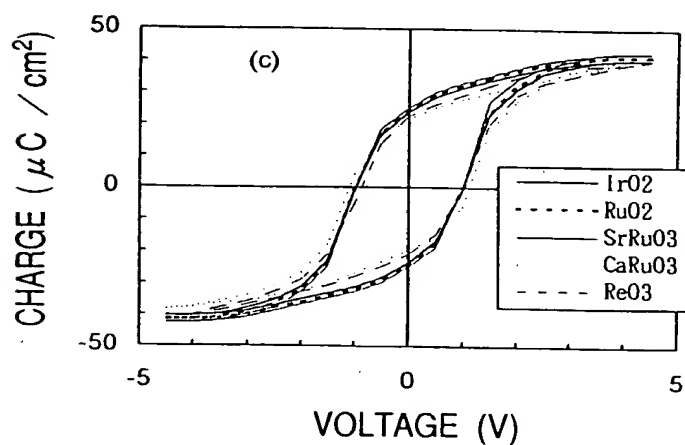
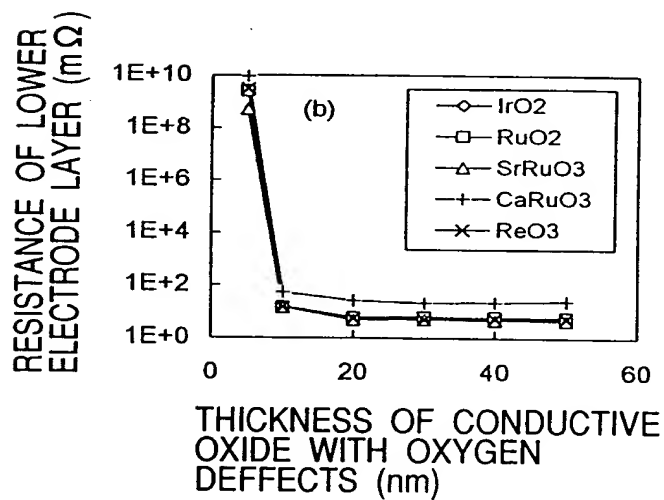
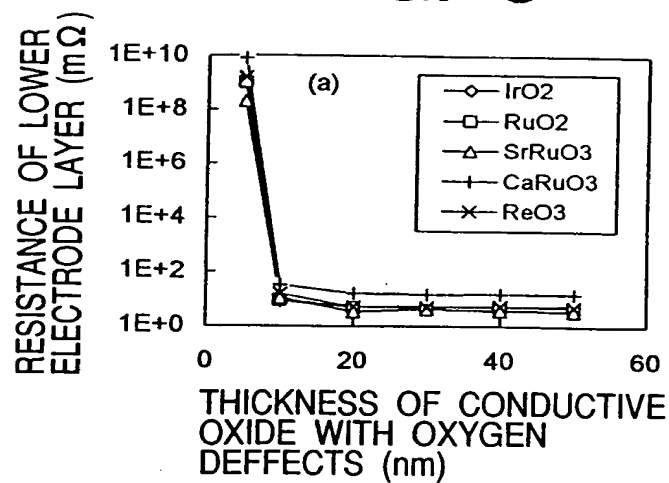


(b)



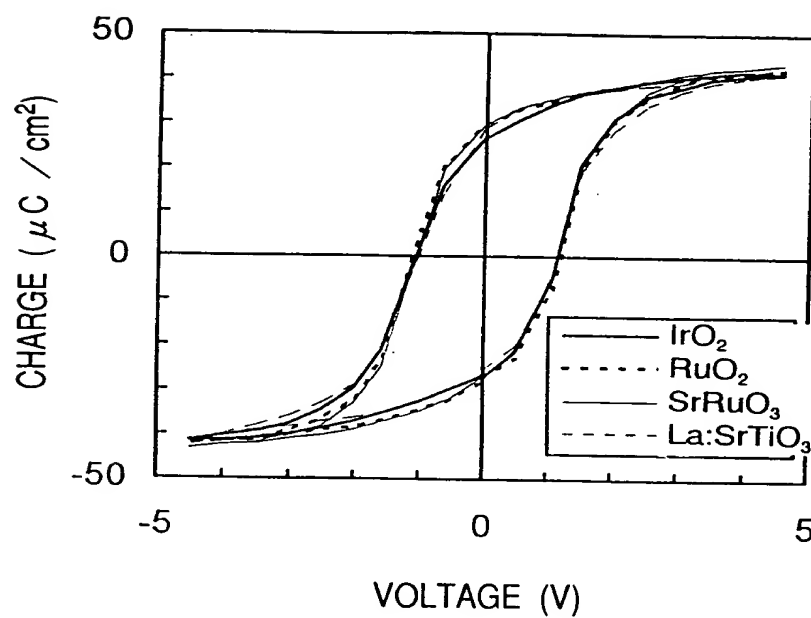
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FIG. 8



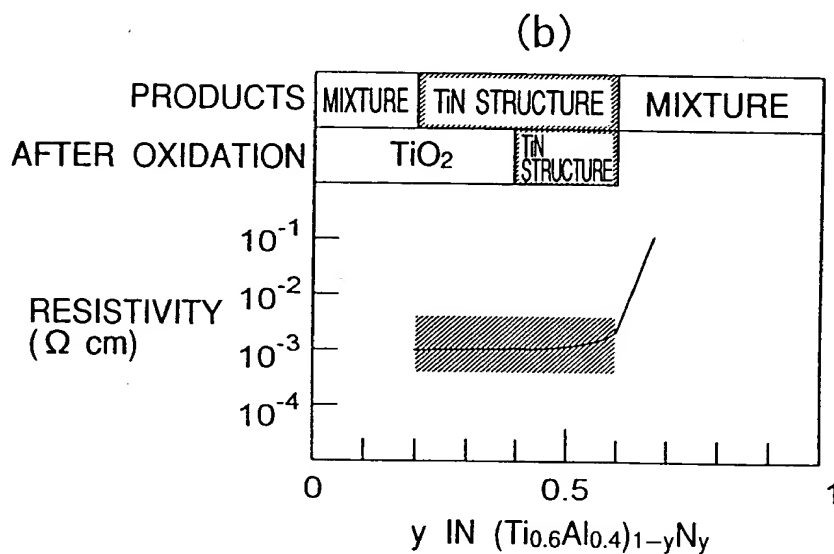
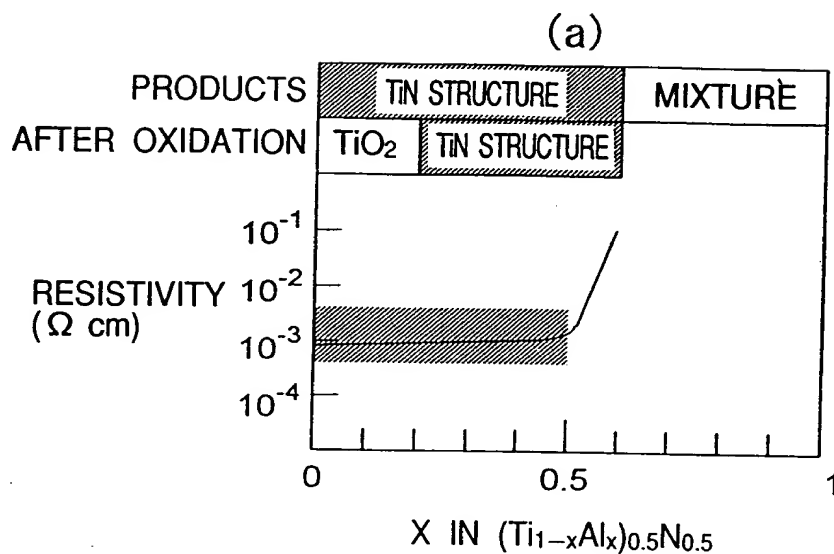
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FIG. 9



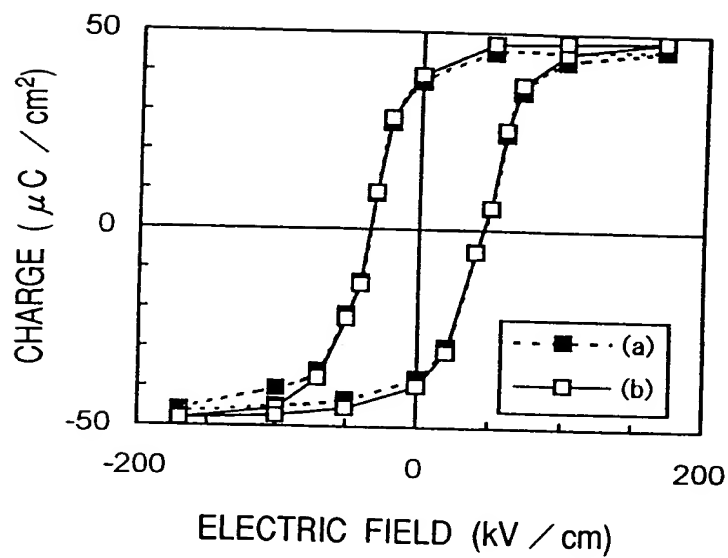
008120" 94024260

FIG. 10



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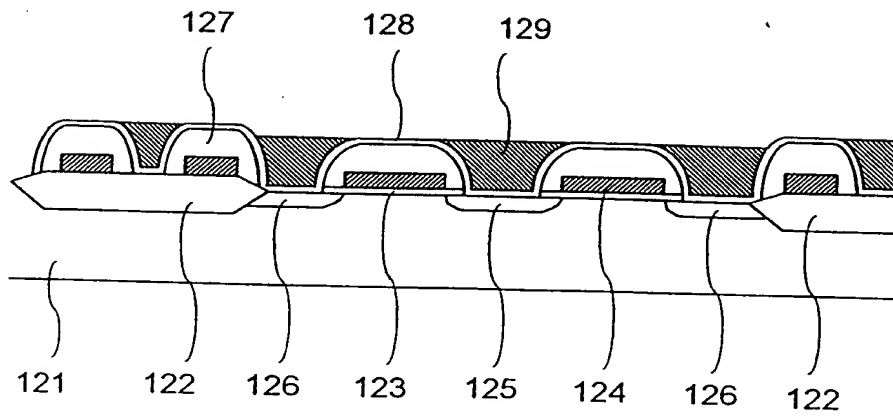
FIG. 11



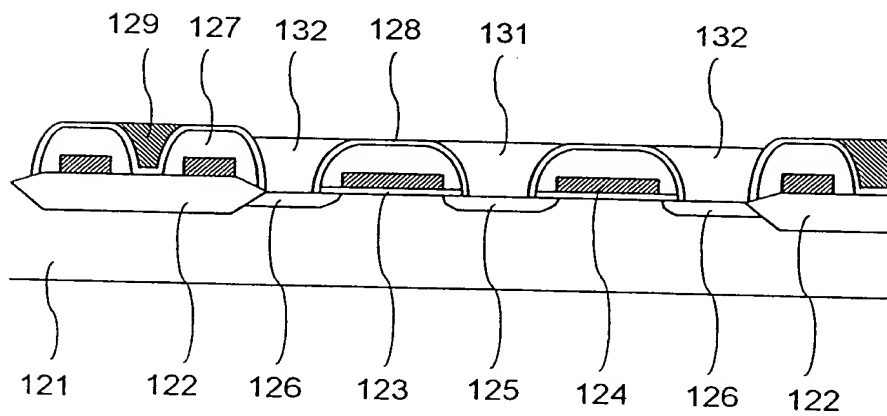


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*FIG. 12*



*FIG. 13*



668720" 94024260

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FIG. 14

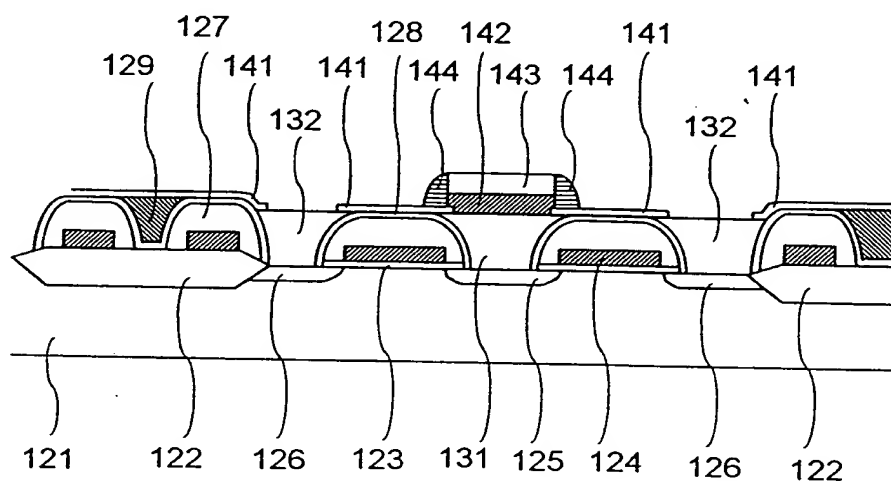


FIG. 15

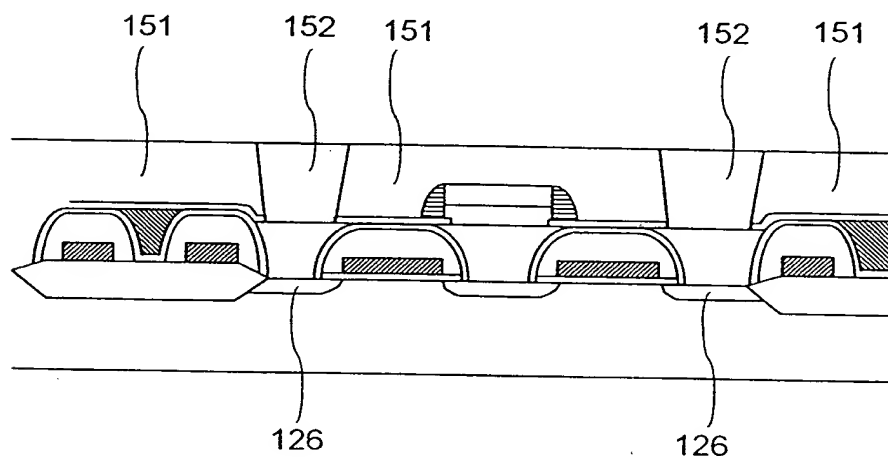


FIG. 16

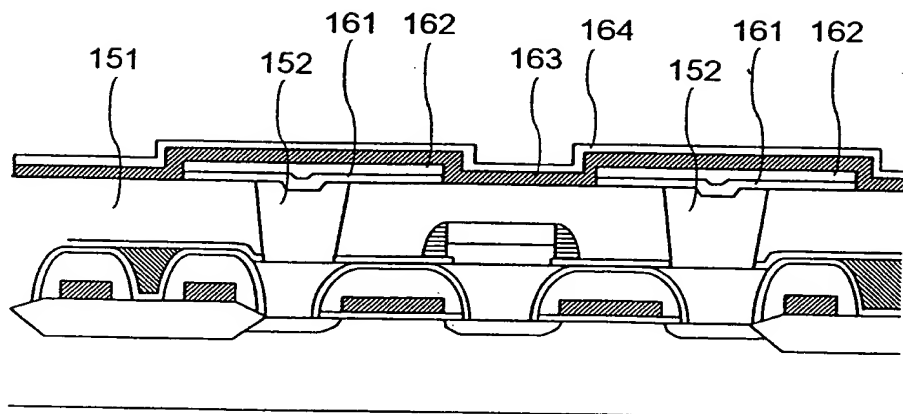
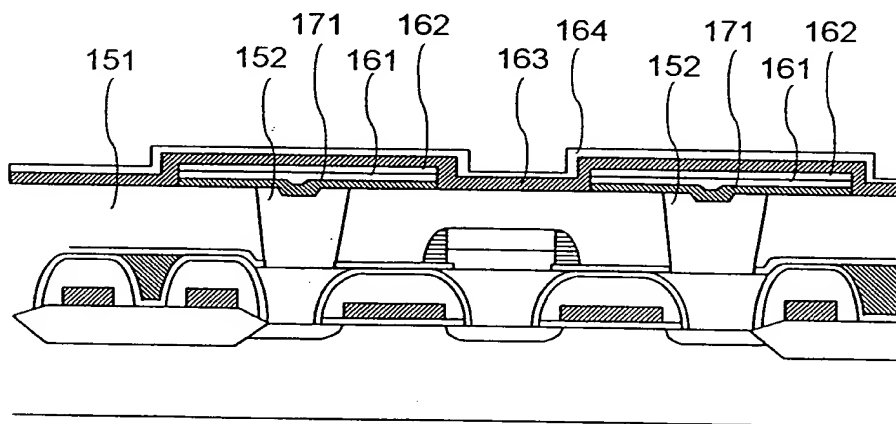
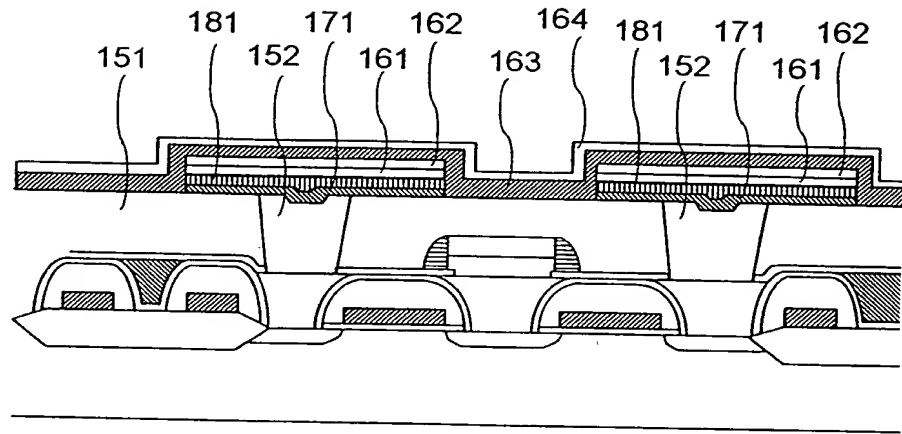


FIG. 17



09/242046-02699

FIG. 18



668T20 94024260

This diagram shows a cross-sectional view of a second embodiment of the semiconductor device. It features a substrate with a series of raised regions. A top layer, labeled 151, covers the entire surface. Below this, a layer labeled 152 is present in the recessed areas. A central raised region is labeled 163. On either side of this central region, there are structures labeled 164 and 181. The top surface of the central region is labeled 191. The side surfaces of the central region are labeled 181. The side surfaces of the adjacent regions are labeled 191. The bottom surface of the central region is labeled 152. The bottom surface of the adjacent regions is labeled 181.

This diagram shows a cross-sectional view of a second embodiment of the semiconductor device. It features a substrate with a central raised region. On the left and right sides of this region, there are two sets of structures. Each set includes a lower layer (151) and an upper layer (152). The upper layer (152) has a central opening (163) and is surrounded by a material (164). The upper layer (152) is further defined by regions 191 and 201. The central raised region also has a central opening (163) and is surrounded by a material (164). The upper layer (152) is further defined by regions 191 and 201. The central raised region also has a central opening (163) and is surrounded by a material (164). The upper layer (152) is further defined by regions 191 and 201.